

Camp Navajo
Stakeholder Advisory Group

Thursday, June 14, 2007
Camp Navajo
Bellemont, AZ

Minutes

Members in attendance:

Lee Luedeker, AGFD
Randy Wilkinson, NGB
Shannon Clark, Coconino National Forest
Nicole Coronado, ADEQ
Shaula Hedwall, USFWS
Karen Underhill, community member

Members absent:

Tom Britt, community member
LTC Adrian Nagel, Camp Navajo
Kurt Novy, City of Flagstaff
Glenn Morrison, community member

Interested Parties:

Kyra Cochran, AGFD
MAJ Brian Saunders, NGB
Tom Parker, Camp Navajo

Diana Deming, ADEQ
Wendy Flood, ADEQ

Guests:

Kate Anthony, MKM Engineers
Charles Barnes, AMEC
Lindsay Daley, Bellemont Resident
Joseph Donaldson, Flagstaff Mayor
Dana Downs-Heimes, CH2MHill
John Kim, Brown & Caldwell
Mike Heitmann, CH2MHill
Randy Rose, CH2MHill
Marty Rozelle, The Rozelle Group
Dick Scott, Flagstaff resident
Tom Scott, citizen
Charles Sellers, TBC/TSC
Marcus Sipolt, TBC/TSC

The following acronyms may be used throughout this document

ADEMA	Arizona Department of Emergency and Military Affairs
ADEQ	Arizona Department of Environmental Quality
AGFD	Arizona Game & Fish Department
AZARNG	Arizona Army National Guard
BRAC	Base Realignment and Closure
CDC	Contained Detonation Chamber
CERCLA	Comprehensive Environmental Response, Compensation, & Liability Act
COPC	Contaminants of Potential Concern
DoD	Department of Defense
EDMS	Electronic Data Management System
ERA	Ecological Risk Assessment
FOASA	Former Open Air Storage Area
FRA	Final Removal Action
FSP	Field Sampling Plan
FWPDBA	Former White Phosphorous Detonation and Burn Area (Chemical Canyon)
HHRA	Human Health Risk Assessment
IAP	Installation Action Plan
IRA	Interim Removal Action
IRP	Installation Restoration Program
HERA	Human Health & Ecological Risk Assessment
LTM	Long Term Management
MAP	Management Action Plan
MC	Munitions Constituents

MD	Munitions Debris
MEC	Munitions and Explosives of Concern
MRA	Munitions Response Area
MRS	Munitions Response Site
MWP	Master Work Plan
NAAD	Navajo Army Depot
NAU	Northern Arizona University
NGB	National Guard Bureau
OB/OD	Open Burn/Open Detonation
ORS	Ordnance Related Scrap
PBC	Performance Based Contract
PCP	Post Closure Plan
ppb	parts per billion
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RC	Response Complete
RI/FS	Remedial Investigation/Feasibility Study
RIP	Remedy in Place
ROD	Record of Decision
SAG	Stakeholder Advisory Group
SSHP	Site Safety and Health Plan
TPP	Technical Project Planning
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish & Wildlife Service
USGS	U.S. Geological Survey
UXO	Unexploded Ordnance
WMM	Waste Military Munitions

The following matters were discussed, recommended, and/or decided.

1. *Welcome, Introductions and Announcements*

Lee Luedeker opened the meeting and welcomed members of the public. He announced that Stacy Duffy, former ADEQ Project Manager, left the agency without proper recognition from the SAG. He encouraged members to contribute an item or letter at the next meeting, and he will make sure she receives them with gratitude for her excellent oversight of the project.

2. *2007 MEC Surface Removal Project*

Dana Downs-Heimes, CH2MHill, provided a summary overview of the MEC Characterization Project, which began in 2004, and introduced this year's MEC Surface Removal Project. The Characterization Project information has been presented in detail in previous SAG meetings. The PowerPoint presentation is posted on the project website:
<http://www.CampNavajoEnvironmental.org>

Future planned activities include the start of annual MEC awareness training for authorized and permitted users, including authorized and permitted users of Metz Tank buffer area. The Site Specific Work Plan, delivered to ADEQ on June 18, 2007, addresses methods for surface MEC clearance of approximately 322 acres. A kick-off meeting for the Removal Action field activities is set for mid August. All MEC positioned above the mineral soil within the MRS will be removed. Removal teams of 10 to 12 people will be used to increase efficiency over large acreage. No MD will be collected or managed. If MEC is found within 200 feet of the MRS boundary, sweeps will extend outward 200 feet past the last MEC found. Contractor Quality Control inspection teams and US Army Corps of Engineers Quality Assurance teams will follow closely behind the MEC

surface removal teams to ensure that correct work procedures are followed and clearance is complete. Unsafe-to-move MEC will be blown-in-place, while safe-to-move MEC will be consolidated in Camp Navajo explosives storage magazines. This MEC will be destroyed pending weather conditions, authorization, and funding in late 2007.

A primary objective of the MEC removal project is to reduce the footprint of the OB/OD Area. A RCRA Post Closure Plan and Permit Application will address the OB/OD Area sites that will not be clean-closed under CERCLA. It will be submitted to ADEQ in summer 2008 and will define the acceptable future land uses. Final MEC cleanup standards will be evaluated, and viable and relevant remedial alternatives will be assessed for effectiveness, implementability and cost.

3. NAAD 02 and 09C Removal Actions

John Kim updated the group on the NAAD 02 and 09C removal actions.

NAAD 02. Using a map John reminded the group where this area and the MRA 02 area were on the afternoon field trip. NAAD 02 is a 200-acre site where demilitarization of munitions by open detonation and burning occurred from the 1940's to 1994. The results of the field studies and the human and ecological risk assessments indicated a need for a removal action, which was initiated in 2006. Remaining activities include:

- Update human health and ecological risk assessments
- Dispose of remaining 4,400 tons of excavated soil
- Prepare a Removal Action Completion Report, and a Proposed Plan and ROD.

NAAD 09C. This 2.1 acre site was used for burning and consolidation of burned materials from the 1940s through the 1990s. Site clean-up activities have been continuing since 2004 and have been reported in past SAG meetings. The final disposition of about 16,000 tons of excavated soil stockpiled on the site is pending negotiations with ADEQ. A Removal Action Completion Report was prepared and is currently under review by ADEQ.

Management of Stockpiled Soils. The original plan for the NAAD 02 and NAAD 09C excavated soils was to segregate and screen ORS and MEC and dispose off-site. However, changes in site conditions have resulted in reevaluation. Soil volumes were significantly larger than estimated. The time needed to dispose of 20,000 tons of soil would be 2.5 to 4 years at costs of \$3M to \$6M. Only 1800 cubic yards actually require off-site disposal from a human health standpoint. The off-site disposal will begin this summer. It is intended that on-site management of the soils will consist of screening the soils for munitions and backfilling the OD pits at NAAD 02, pending concurrence with ADEQ.

4. OB/OD Program Update & Upcoming Fieldwork

MAJ Saunders provided an OB/OD Area Program Update, including an update on ROD status, closure strategy, site status, CERCLA to RCRA process, near-term goals and long-term goals. The PowerPoint presentation is posted on the project website.

NGB and ADEQ have agreed to prepare various RODs in lieu of Decision Documents, because RODs are more stringent and legally defensible than are DD's. RODs will be prepared for the sites listed below. The responsible contractor is in parentheses.

- 7 OB/OD Area CERCLA Sites (MKM)
- 4 OB sites (AMEC)
- NAAD 02, NAAD 03, and NAAD 20 (Brown & Caldwell)
- 3 MRA Sites (CH2M Hill)

Upcoming proposed plans and RODs will be available at the NAU Cline Library and on the Camp Navajo website.

Site Closure Status: The following table summarizes the status of all sites as of June 14, 2007. Bold text indicates a change from the status presented at the February SAG meeting.

Site	Type	Fieldwork	RI/RSE	HHRA	ERA	DD	PP	ROD
01	CERCLA	Complete	Final	___	Final	Draft	N/A	Draft
02	RCRA	Complete	Final	Future	Future	N/A	Future	Future
03	CERCLA	Complete	Final	___	Final	Draft	Future	Future
04	CERCLA	Complete	Final	___	Final	Draft	N/A	Draft
05	RCRA	Complete	Final	Final	Final	N/A	Future	Future
06	RCRA	Complete	Final	Draft	Final	N/A	Future	Future
07	CERCLA	Complete	Final	Final	Final	Draft	N/A	Draft
08A	CERCLA	Complete	Final	___	Final	Draft	Future	Future
08B	RCRA	Complete	Final	Final	Final	Draft	Future	Future
09A	CERCLA	Complete	Final	___	Final	Draft	N/A	Draft
09C	RCRA	Complete	Final	___	___	Final	N/A	Future
09D	RCRA	Complete	Final	___	Final	Draft	Future	Future
10	CERCLA	Complete	Final	___	Final	Draft	N/A	Draft
13	RCRA	Complete	Final	Final	___	Draft	Future	Future
20	CERCLA	Complete	Final	Final	___	N/A	Future	Future
E76	CERCLA	Complete	Final	___	___	Draft	N/A	Draft

The closure strategy is the same as presented in February.

- NAAD 02 – removal action is complete; interim removal action (IRA) report pending. Programmed for completion in 2008.
- NAAD 09C – Removal Action Completion Report currently at ADEQ for review.
- NAAD 02 and NAAD 09C soil stockpiles – seeking ADEQ concurrence with on-site management plans.
- Surface and ground water characterization, 2nd annual report –Received comments from ADEQ, NGB drafting responses to comments
- Cultural Resources Phase 2 Treatment Plan and Draft Memorandum of Agreement – at NGB for review.
- Natural Resources – USFWS concurred with programmatic biological assessment for the OB/OD Area.
- Supplemental MEC Characterization Project – complete; MEC Characterization Reports are almost complete.

- Future Land Use Designation – still pending.

Near and long-term goals

Fieldwork - 2007

- NAAD 02 and NAAD 09C Soil Pile Management
- MEC IRA (surface removal) at
 - MRA 01 – MRS A, MRS B, MRS C
 - MRA 02 – MRS C-South

Reports - 2007

- RCRA Post Closure Plan
- Engineering Evaluation/Cost Analysis (EE/CA) for MRA 01, MRA 02, and MRA 20
- MEC IRA Reports
- Proposed Plans and RODs

Project Goals – 2008 and 2009

- Groundwater monitoring exemption pending ADEQ approval
- Finalize EE/CA for MRA 01, MRA 02, and MRA 20
- Proposed Plan/ROD for 2008 Final Removal Action (FRA)
- TPP / FRA Work Plan – Early 2008
- Conduct 2008 FRA
- RCRA Post Closure Permit Application – 2008
- Complete CERCLA Closure – 2009
- Initiate RCRA Post Closure Care- 2009

5 *Next SAG Meeting*

The next SAG meeting will be held on Thursday October 11, 2007 from 10:00 AM till 12:00 PM at Camp Navajo. Tom Parker will check the availability of the Security Building Training room.

6. *Call to the Public*

There were no comments or questions from the public.